

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number  
**WO 2005/063278 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 38/16, A61P 41/00**

(74) Agent: **STRÖM & GULLIKSSON IPC AB**; Box 4188, S-203 13 Malmö (SE).

(21) International Application Number:  
PCT/SE2004/002016

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:  
23 December 2004 (23.12.2004)

(25) Filing Language:  
English

(26) Publication Language:  
English

(30) Priority Data:  
0303588-8 30 December 2003 (30.12.2003) SE  
60/606 130 1 September 2004 (01.09.2004) US

(71) Applicant (for all designated States except US): **BIOACTIVE POLYMERS AB** [SE/SE]; c/o Lunds Universitet, Näringslivsenheten, Box 117, S-221 00 Lund (SE).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BENGMARK, Stig** [SE/SE]; Kustvägen 13, S-263 32 Höganäs (SE). **LARSSON, Kåre** [SE/SE]; N. Villavägen 7B, S-237 75 Bjärred (SE). **LINDMAN, Björn** [SE/SE]; Landsdomarevägen 3, S-222 40 Lund (SE). **ANDERSSON, Roland** [SE/SE]; Karlavägen 12, S-222 40 Lund (SE).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/063278 A1

(54) Title: SURFACE PROTECTION OF EXPOSED BIOLOGICAL TISSUES

(57) Abstract: The invention relates to a biodegradable barrier network comprising at least two polypeptides, one being anionic and the other one cationic. The invention also relates to applicators and kits comprising components to be used to create said biodegradable barrier network. The invention also relates to the use of said applicator or kit in therapy, such as in medicine, veterinary medicine and horticulture.